

ABSTRACTELECTROCHEMICAL TREATMENT OF METALS

A method for treating a metal comprises subjecting the
5 metal to electrolysis in the presence of an electrolyte
using alternating pulses of voltage and/or current, said
alternating pulses being of opposite polarity, wherein if
the electrolyte is an aqueous electrolyte it is an aqueous
10 solution of a salt selected from the group consisting of
alkali metal salts, alkali earth metal salts, aluminium
salts and ammonium salts. The method is effective in
improving the surface properties of the metal, such as
hardness, friction and wear properties.